

UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	PILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/044,335	01/11/2002	Glerm W. Skolo	8540G-000004	7995	
27572	1999 03/25/2004		EXAM	INER	
HARNESS, DICKEY & PIERCE, P.L.C. P.O. BOX 828			KALAPUT, STEPHEN J		
BLOOMFIEL	D HILLS, MI 48303		ART UNIT	ART UNIT PAPER NUMBER	
			1765		

DATE MAILED: 02/25/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

•	Application No.	Applicant(s)
	10/044,335	SKALA ET AL.
Office Action Summary	Examiner	Art Unit
	Stephen J. Kalafut	1745
The MAILING DATE of this communicate od for Reply	ion appears on the cover sheet wi	th the correspondence address
If the period for reply specified above is less than thirty (80) does it NO period for reply is specified above. He maximum state Palaze to reply within the set or extended period for reply will, it Arry reply ecceived by the Office later than three ments after it cannot paint them adjustment. See 37 CPR 1704(b).	y period will apply and will expire SDX (6) MON by statute, cause the application to become AR	THS from the mailing date of this communication IANDONED 19511 S.C. 8 1370
us		
Responsive to communication(s) filed or	12/01/03.	
a)⊠ This action is FINAL. 2b)[This action is non-final.	
 Since this application is in condition for a 	allowance except for formal matter	ers, prosecution as to the merits is
closed in accordance with the practice u	nder Ex parte Quayle, 1935 C.D	. 11, 453 O.G. 213.
osition of Claims		

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4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) 9,10 and 13-54 is/are allowed.

6) Claim(s) 1-3 is/are rejected.

7) Claim(s) 4-7, 11, 12 is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12\lim Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of

1. Certified copies of the priority documents have been received.

2 Certified copies of the priority documents have been received in Application No.

3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

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Notice of References Cited (PTO-892) Notice of Reterances Cited (PTO-892)
 Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date ______

4) Interview Summary (PTO-413) Paper No(s)/Mail Date. _____. 6) Other:

5) Notice of Informal Patent Application (PTO-152)

Application/Control Number: 10/044,335 Art Unit: 1745

Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Sasaki, for reasons of record.

Claims 9, 10 and 13-54 are allowed. Claim 9, previously indicated as having allowable subject matter, is now independent. Claim 10 depends on claim 9, and is thus also allowable. Claims 13-20, 25, 30 and 35-54 are allowed for reasons stated in the previous Office Action, page 4. Claims 13-20, 25, 30 and 35-54, previously indicated as having allowable subject matter, are now free of any rejection under \$112.

Claims 4-7, 11 and 12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Claims 11 and 12 were indicated to have allowable subject matter, in the previous Office Action, on page 5. Applicant's arguments concerning claims 4-7 have been found persuasive, because the primary reference Sasaki et al. discloses a single reactor, while the secondary reference Acker would require plural reactors. The two references to not teach how to modify a fuel cell reforming system with an output control valve and a single reactor to include plural reactors.

Applicant's arguments filed 12/01/03 have been fully considered but they are not persuasive. Applicants argue that Sasaki discloses a controller which adjusts pressure to achieve operation as close to steady state as possible. This is not persuasive because the present rejected claims are silent with respect to either achieving or avoiding a steady state.

Applicants argue that the operation of Sasaki's system is the opposite of the present invention, since the Sasaki device opens the valve and thus reduces the pressure of the reformer, and avoids the creation of back pressure and the storage function. This is not persuasive because the control valve (7e) of Sasaki may not only open (as pointed out by applicants), but may also move "towards the closing direction in normal operation" and thus increase the pressure within the reformer (column 7, lines 1-11). This part of the operation of Sasaki's system is the same as what is presently claimed.

As pointed out by applicants, Kato et al. does not disclose a system in which a valve is modulated, and is thus withdrawn

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen J. Kaiafut whose telephone number is 571-272-1286. The examiner can normally be reached on Mon-Fri 8:00 am-4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick J. Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent
Application Information Retrieval (PAIR) system. Status information for published applications
may be obtained from either Private PAIR or Public PAIR. Status information for unpublished
applications is available through Private PAIR only. For more information about the PAIR
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system, contact the Electronic Business Center (EBC) at 866-217-9197 (foll-free).

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